



1756

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE PATENT APPLICATION OF: J. WILLIAM DOANE et al.

Serial No. 09/937,210 Examiner: Shean C. Wu  
Filed: September 24, 2001 Group Art Unit 1756  
Title: CHIRAL ADDITIVES FOR CHOLESTERIC DISPLAYS  
Docket No.: KENT 36180

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**LETTER**

In response to PTO paper mailed October 23, 2003, enclosed are the following:

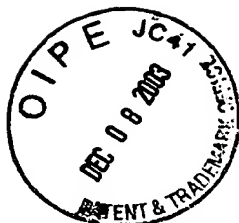
1. Submission Under Rule 3.73(b) submitted by Kent State University, Assignee.
2. Submission Under Rule 3.73(b) submitted by Kent Displays, Inc. Assignee.
3. Revocation and Power of Attorney.

Please make the above-identified documents of record in this application.

Date: December 4, 2003

Respectfully submitted,

Paul A. Serbingowski,  
Reg. No. 34,329



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE PATENT APPLICATION OF: J. WILLIAM DOANE et al.

Serial No. 09/937,210 Examiner: Shean C. Wu  
Filed: September 24, 2001 Group Art Unit 1756  
Title: CHIRAL ADDITIVES FOR CHOLESTERIC DISPLAYS  
Docket No.: KENT 36180

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REVOCATION AND POWER OF ATTORNEY**

The undersigned, owner of the entire right, title and interest in and to an application for letters patent for CHIRAL ADDITIVES FOR CHOLESTERIC DISPLAYS, Serial No. 09/937,210, filed September 24, 2001, hereby revokes all previous powers of attorney granted in connection with this patent application. Having revoked all previous powers of attorney, the undersigned hereby makes and gives the following power of attorney, to be effective prospectively from this date: I hereby appoint each of the following attorneys, all of whom are associated with Pearne & Gordon LLP (Customer No. 00116) Telephone No. 216-579-1700, as attorneys of record to prosecute this application and to transact all business in the Patent Office connected therewith: Richard A. Sharpe, Reg. No. 34,722; Paul A. Serbinowski, Reg. No. 34,429; Lowell L. Heinke, Reg. No. 19,471; Thomas P. Schiller, Reg. No. 20,677; David B. Deiomia, Reg. No. 22,841; Joseph J. Corso, Reg. No. 25,845; Howard J. Shimola, Reg. No. 26,232; Jeffrey J. Sopko, Reg. No. 27,676; John P. Murtaugh, Reg. No. 34,226; James M. Moore, Reg. No. 32,923; Michael W. Garvey, Reg. No. 35,878; Ronald M. Kachmarik, Reg. No. 34,512; Brian G. Bembenick, Reg. No. 41,463; Aaron A. Fishman, Reg. No. 44,682; Robert F. Bodi, Reg. No. 48,540; Suzanne B. Gagnon, Reg. No. 48,924; Una L. Schumacher, Reg. No. 48,998 and Steven J. Solomon, Reg. No. 47,719.

And hereby appoints the foregoing Richard A. Sharpe, Reg. No. 34,722 principal attorney.

And hereby designates as mailing address the office of:

PEARNE & GORDON LLP  
1801 East 9<sup>th</sup> Street, Ste. 1200  
Cleveland, Ohio 44114-3108  
(216)579-1700 - telephone  
(216)579-6073 - facsimile

This appointment shall include all power to prosecute and transact all business relating to all applications corresponding to the referenced application in all countries, including all regional and international patent offices, such as, but not limited to, the European Patent Office and all offices and bureaus established in accordance with the Patent Cooperation Treaty. I hereby further designate and appoint any officer of Pearne & Gordon LLP, my attorney in fact with full power of substitution and revocation, including power to designate and substitute a principal attorney.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sections 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Date

Nov 13, 2003

Kent State University

John L. West

Name:

John L. West

Title:

VP and Dean



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE PATENT APPLICATION OF: J. WILLIAM DOANE et al.

Serial No. 09/937,210 Examiner: Shean C. Wu  
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sections 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Kent Displays Incorporated

Date

10/10/07

  
Joel Domino  
President

  
New Attorney's Docket No. KENT.36180  
Previous Attorney Docket No: KD-01-004US

Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the                      JOSEPH W. DOANE ET AL.  
Application of:

Examiner:    WU, SHEAN  
                  CHIU

Application No.:        09/937,210

Art Unit:        1756

Filing Date:            09/24/2001

Title:                    CHIRAL ADDITIVES FOR  
                              CHOLESTERIC DISPLAYS

**Submission Under Rule 3.73(b)**

In response to the PTO paper mailed October 23, 2003, pursuant to Rule 3.73(b), this is a submission establishing assignees' right to take action in this application. The action that is to be taken is revoking all Previous Powers of Attorney and recording an assignment. Revocation and Power of Attorney documents are filed concurrently herewith.

The assignees who have the right to take action are Kent Displays Inc. and Kent State University. The copy of an assignment document (Attachment A hereto) establishes ownership in assignees Kent Displays, Inc. and Kent State University as well as the chain of title from inventors, Messrs. Doane, Khan and Seed to assignees by the following excerpt of the assignment:

We [assignor inventors Doane, Khan and Seed] hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) referred to above [i.e., 09/937,210]... unto said Assignees [Kent Displays, Inc. and Kent State University] who will hold said rights, title and interest in equal shares.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignees, as co-assignees of the whole right, title and interest thereto.

The assignment document was recorded under Reel/Frame No. 012/913/0254-incorrectly in the name of Kent Displays, Inc. alone. This error apparently arose because the previous attorney handling this application, who is now deceased, listed only Kent Displays, Inc. as assignee on the assignment recordation cover sheet. However, the assignment submitted with that cover sheet and enclosed again herewith *correctly lists both Kent Displays, Inc. and Kent State University as assignees*. A new assignment recordal request is filed herewith, requesting assignment in the name of both Kent State University and Kent Displays, Inc.

As set forth in the above excerpt from the assignment, both Kent Displays, Inc. and Kent State University share an equal ownership interest in the entire invention and patent application. We, the undersigned, are authorized to act on behalf of the assignees.

Kent Displays Inc.

By: 

Name: J. WILLIAM DOANE

Title: Chief Technology Officer

Date: 11/07/03

Kent State University

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT BRANCH

PATENT

Pearne & Gordon LLP  
Ohio Savings Plaza  
1801 East 9th St.  
Suite 1200  
Cleveland, Ohio 44114-3108  
Telephone: (216) 579-1700  
Docket No.: KENT.36180

Commissioner of Patents and Trademarks  
P.O. Bo1450  
Alexandria, VA 22313-1450

Dear Sir:

Please rerecord the attached original document(s) or copy thereof as follows:

*Conveying Party:* Joseph W. Doane, Asad A. Khan and Alexander J. Seed

*Receiving Party:* Kent Displays, Inc.

*Address:* 343 Portage Blvd.  
Kent, OH 44240

Kent State University  
P.O. Box 5190  
Kent, Ohio 44242

*Nature of Conveyance:* Assignment

*Date of Execution:* October 11, 2001

Please record against:

*Patent No(s):* N/A

*Application No(s):* 09/937,210, filed September 24, 2001

*No. of Patent(s):* N/A

*No. of Application(s):* 1

A check in the amount of \$40.00 for the rerecordal fees is enclosed. Please charge any additional fees, or credit any overpayment, to deposit account 16,0820 (our docket KENT.36180).

To my best knowledge and belief, the foregoing information is true and correct. Please correspond with Pearne & Gordon LLP at the above address.

Respectfully submitted,

December 4, 2003  
Date

  
Paul A. Serbinowski





UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT



\*102102493B\*

JULY 23, 2002

TO: OFFICE OF FINANCE  
FROM: ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS  
SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED  
BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER  
THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 162372  
PROPERTY NUMBER: 09937210

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT  
THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

TRADEMARK SERVICE FEES:	FEE CODE:
RECORDING FIRST MARK	481
RECORDATION SECOND AND SUBSEQUENT MARK IN SAME DOCUMENT	482
LABOR CHARGES FOR SERVICES PER HOURS OR FRACTION THEREOF	484
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, AGREEMENT, OTHER PAPER, PER PROPERTY	581
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LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585

DEC 08 2003  
OPIE  
APR 30 2002  
102102493  
05/24-2002

cket No.: KD-01-004US

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

DOANE, Joseph W.  
KHAN, Asad A.  
SEED, Alexander J.

5.6.02

Additional names(s) of conveying party(ies)

☐ Yes ☐ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: September 24, 2001

2. Name and address of receiving party(ies):

Name: KENT DISPLAYS, INC.

Address: 343 Portage Blvd.

City: KENT

State/Prov.: OH

Country: US

ZIP: 44240

Additional name(s) & address(es)

☒ Yes ☐ No

RECEIVED  
MAY 06 2002  
TC 1700

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

210  
09/937,201

September 24, 2001

Additional numbers

☐ Yes ☒ No

RECEIVED  
MAY 17 2002  
TC 1700

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Raymond H. J. Powell, Jr.

Registration No. 34,231

Address: WESTERLUND · POWELL, P.C.

100 Daingerfield Rd.

Suite 100

City: Alexandria

State/Prov.: VA

Country: US

ZIP: 22314

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

16-2372

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Raymond H. J. Powell, Jr.

Signature

04/30/2002

Name of Person Signing

Signature

Date

6

Total number of pages including cover sheet, attachments, and

**PATENTS ONLY**

Tab settings → → →

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

DOANE, Joseph W.  
KHAN, Asad A.  
SEED, Alexander J.

Additional names(s) of conveying party(ies):

☐ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: September 24, 2001

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Address: 343 Portage Blvd.

City: KENT

State/Prov.: OH

Country: US

ZIP: 44240

Additional name(s) & address(es)

☒ Yes ☐ No

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Filing date

B. Patent No.(s)

210  
09/937,201

September 24, 2001

Additional numbers

☐ Yes ☒ No

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Name: Raymond H. J. Powell, Jr.

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Address: WESTERLUND · POWELL, P.C.

100 Daingerfield Rd.

Suite 100

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16-2372

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Raymond H. J. Powell, Jr.

Name of Person Signing

Signature

04/30/2002

Date

Total number of pages including cover sheet, attachments, and

6



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



JULY 23, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

WESTERLUND POWELL, P.C.  
RAYMOND H. J. POWELL, JR.  
100 DAINGERFIELD RD. SUITE 100  
ALEXANDRIA, VA 22314



\*102102493A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/06/2002

REEL/FRAME: 012913/0254  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
DOANE, JOSEPH W.

DOC DATE: 09/24/2001

ASSIGNOR:  
KHAN, ASAD A.

DOC DATE: 09/24/2001

ASSIGNOR:  
SEED, ALEXANDER J.

DOC DATE: 09/24/2001

ASSIGNEE:  
KENT DISPLAYS, INC.  
343 PORTAGE BLVD.  
KENT, OHIO 44240

SERIAL NUMBER: 09937210  
PATENT NUMBER:

FILING DATE: 09/24/2001  
ISSUE DATE:

012913/0254 PAGE 2

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

Docket No.  
**KD-01-004US**

☒ *United States of America rights, title and interest in the invention*

 *Foreign rights, title and interest in the invention*

☒ *United States Patent Application Serial No. 09/937,210*

**Date of Execution:** 09/24/2001

**Date of Filing:** 09/24/2001

☐ *United States Provisional Patent Application Serial No.* 60/210,485 (June 9, 2000)

**United States Patent No(s).**

☒ *International (PCT) Patent Application Serial No.* PCT/US01/14842 (June 8, 2001)

☐ *Other (specify)*

***Title of the Invention***

CHIRAL ADDITIVES FOR CHOLESTERIC DISPLAYS

***Inventors (assignors)***

[illegible]

RECEIVED  
MAY 17 2002  
TC 1700

<b>Assignment of Rights, Title and Interest in Invention</b> <b>(Multiple inventors; multiple assignees)</b>	Docket No. <b>KD-01-004US</b>
<b>Assignees</b>	
<i>Name</i>	<i>Address</i>
KENT DISPLAYS, INC.	343 Portage Blvd. Kent OH 44240
<i>Name</i>	<i>Address</i>
KENT STATE UNIVERSITY	P.O. Box 5190 Kent, OH 44242
<i>Name</i>	<i>Address</i>
<i>Name</i>	<i>Address</i>
<i>Name</i>	<i>Address</i>
<i>Name</i>	<i>Address</i>
<i>Name</i>	<i>Address</i>
<i>Name</i>	<i>Address</i>



**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; multiple assignees)**

Docket No.  
KD-01-004US

*Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");*

*And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignees;*

*Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;*

*We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention based upon said application(s) as identified above, said patents, domestic and foreign as identified above, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of said application(s) for patents or securing of patents in the United States and countries foreign thereto, unto said Assignees, who will hold said rights, title and interest in equal shares;*

*And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignees, as co-assignees of the whole right, title and interest thereto;*

*And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid Invention, as the Assignees or their Designee(s) may from time to time require and prepare at their own expense.*

*Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)*

Name	Signature/Date
Joseph W. Doane	
Asad A. Khan	
Alexander J. Seed	

Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; multiple assignees)

Docket No.  
KD-01-004US

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

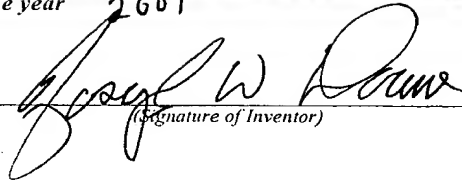
Executed this 11 day of October, in the year 2001

at

Kent Displays, Inc.

State of Ohio

County of Portage

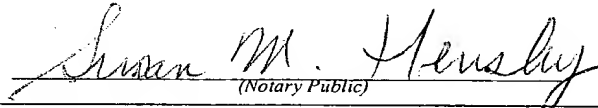
  
(Signature of Inventor)

Before me personally appeared Joseph W. Doane

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 11 day of October, in the year 2001

SUSAN M. HENSLEY

NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES AUG. 2, 2004

  
(Notary Public)

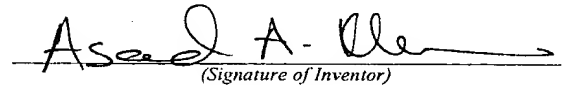
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State of Ohio

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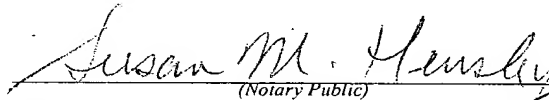
  
(Signature of Inventor)

Before me personally appeared Asad A. Khan

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 11 day of October, in the year 2001

SUSAN M. HENSLEY

NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES AUG. 2, 2004

  
(Notary Public)

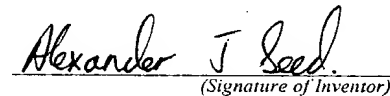
Executed this 11th day of October, in the year 2001

at

Kent,

State of Ohio

County of Portage

  
(Signature of Inventor)

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who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 11th day of October, in the year 2001

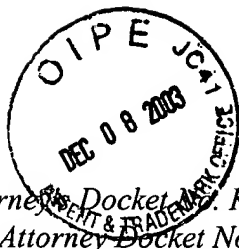
ELAINE M. LANDRY, Notary Public

97 NT0262

State Wide Jurisdiction, Ohio

My Commission Expires Sept. 1, 2002

  
(Notary Public)



New Attorney's Docket No: KENT.36180  
Previous Attorney's Docket No: KD-01-004US

Patent

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the                      JOSEPH W. DOANE ET AL.  
Application of:

Examiner:    WU, SHEAN  
                  CHIU

Application No.:    09/937,210

Art Unit:        1756

Filing Date:        09/24/2001

Title:                      CHIRAL ADDITIVES FOR  
                                  CHOLESTERIC DISPLAYS

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In response to the PTO paper mailed October 23, 2003, pursuant to Rule 3.73(b), this is a submission establishing assignees' right to take action in this application. The action that is to be taken is revoking all Previous Powers of Attorney and recording an assignment. Revocation and Power of Attorney documents are filed concurrently herewith.

The assignees who have the right to take action are Kent Displays Inc. and Kent State University. The copy of an assignment document (Attachment A hereto) establishes ownership in assignees Kent Displays, Inc. and Kent State University as well as the chain of title from inventors, Messrs. Doane, Khan and Seed to assignees by the following excerpt of the assignment:

We [assignor inventors Doane, Khan and Seed] hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) referred to above [i.e., 09/937,210]... unto said Assignees [Kent Displays, Inc. and Kent State University] who will hold said rights, title and interest in equal shares.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignees, as co-assignees of the whole right, title and interest thereto.

The assignment document was recorded under Reel/Frame No. 012/913/0254-incorrectly in the name of Kent Displays, Inc. alone. This error apparently arose because the previous attorney handling this application, who is now deceased, listed only Kent Displays, Inc. as assignee on the assignment recordation cover sheet. However, the assignment submitted with that cover sheet and enclosed again herewith *correctly lists both Kent Displays, Inc. and Kent State University as assignees*. A new assignment recordal request is filed herewith, requesting assignment in the name of both Kent State University and Kent Displays, Inc.

As set forth in the above excerpt from the assignment, both Kent Displays, Inc. and Kent State University share an equal ownership interest in the entire invention and patent application. We, the undersigned, are authorized to act on behalf of the assignees.

Kent Displays Inc.

By: \_\_\_\_\_

Name:

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Kent State University

By: 

Name: John L. West

Title: VP and Dean

Date: Nov 13, 2003



UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT BRANCH

PATENT

Pearne & Gordon LLP  
Ohio Savings Plaza  
1801 East 9th St.  
Suite 1200  
Cleveland, Ohio 44114-3108  
Telephone: (216) 579-1700  
Docket No.: KENT.36180

Commissioner of Patents and Trademarks  
P.O. Bo1450  
Alexandria, VA 22313-1450

Dear Sir:

Please rerecord the attached original document(s) or copy thereof as follows:

*Conveying Party:* Joseph W. Doane, Asad A. Khan and Alexander J. Seed

*Receiving Party:* Kent Displays, Inc.

*Address:* 343 Portage Blvd.  
Kent, OH 44240

Kent State University  
P.O. Box 5190  
Kent, Ohio 44242

*Nature of Conveyance:* Assignment

*Date of Execution:* October 11, 2001

Please record against:

*Patent No(s):* N/A

*Application No(s):* 09/937,210, filed September 24, 2001

*No. of Patent(s):* N/A

*No. of Application(s):* 1

A check in the amount of \$40.00 for the rerecordal fees is enclosed. Please charge any additional fees, or credit any overpayment, to deposit account 16,0820 (our docket KENT.36180).

To my best knowledge and belief, the foregoing information is true and correct. Please correspond with Pearne & Gordon LLP at the above address.

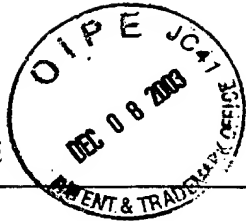
Respectfully submitted,

December 4, 2003  
Date

  
Paul A. Serbinowski



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT



\*102102493B\*

JULY 23, 2002

TO: OFFICE OF FINANCE  
FROM: ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS  
SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED  
BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER  
THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 162372  
PROPERTY NUMBER: 09937210

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT  
THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

TRADEMARK SERVICE FEES:

FEE CODE:

RECORDING FIRST MARK	481
RECORDATION SECOND AND SUBSEQUENT MARK IN SAME DOCUMENT	482
LABOR CHARGES FOR SERVICES PER HOURS OR FRACTION THEREOF	484
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, AGREEMENT, OTHER PAPER, PER PROPERTY	581
---	-----

LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585

APR 30 2002

01/24-2002

cket No.: KD-01-004US

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



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1756

Tab settings → → →

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

DOANE, Joseph W.  
KHAN, Asad A.  
SEED, Alexander J.

5.6.02

2. Name and address of receiving party(ies):

Name: KENT DISPLAYS, INC.

Address: 343 Portage Blvd.

City: KENT

State/Prov.: OH

Country: US

ZIP: 44240

Additional names(s) of conveying party(ies)

☐ Yes ☐ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: September 24, 2001

Additional name(s) & address(es)

☒ Yes ☐ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

210  
09/937,201

September 24, 2001

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Raymond H. J. Powell, Jr.

Registration No. 34,231

Address: WESTERLUND · POWELL, P.C.

100 Daingerfield Rd.

Suite 100

City: Alexandria

State/Prov.: VA

Country: US

ZIP: 22314

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

16-2372

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Raymond H. J. Powell, Jr.

Name of Person Signing

Signature

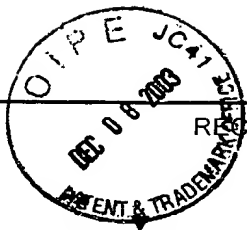
04/30/2002

Date

6

Total number of pages including cover sheet, attachments, and





RECORDATION FORM COVER SHEET

cket No.: KD-01-004US

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

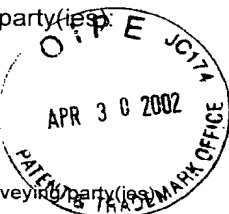
PATENTS ONLY

Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

DOANE, Joseph W.  
KHAN, Asad A.  
SEED, Alexander J.



Additional names(s) of conveying party(ies)

☐ Yes ☐ No

2. Name and address of receiving party(ies):

Name: KENT DISPLAYS, INC.

Address: 343 Portage Blvd.

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MAY 17 2002

TC 1700

City: KENT

State/Prov.: OH

Country: US

ZIP: 44240

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Additional name(s) & address(es)

☒ Yes ☐ No

Execution Date: September 24, 2001

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Patent Application No.

Filing date

B. Patent No.(s)

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09/937,201

September 24, 2001

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Additional numbers

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Name: Raymond H. J. Powell, Jr.

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Suite 100

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State/Prov.: VA

Country: US

ZIP: 22314

6. Total number of applications and patents involved:

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16-2372

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Raymond H. J. Powell, Jr.

Name of Person Signing

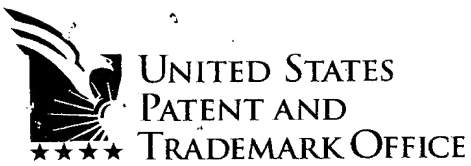
Signature

04/30/2002

Date

6

Total number of pages including cover sheet, attachments, and



JULY 23, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

WESTERLUND POWELL, P.C.  
RAYMOND H. J. POWELL, JR.  
100 DAINGERFIELD RD. SUITE 100  
ALEXANDRIA, VA 22314



\*102102493A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/06/2002

REEL/FRAME: 012913/0254  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
DOANE, JOSEPH W.

DOC DATE: 09/24/2001

ASSIGNOR:  
KHAN, ASAD A.

DOC DATE: 09/24/2001

ASSIGNOR:  
SEED, ALEXANDER J.

DOC DATE: 09/24/2001

ASSIGNEE:  
KENT DISPLAYS, INC.  
343 PORTAGE BLVD.  
KENT, OHIO 44240

SERIAL NUMBER: 09937210  
PATENT NUMBER:

FILING DATE: 09/24/2001  
ISSUE DATE:

012913/0254 PAGE 2

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; multiple assignees)**

Docket No.  
**KD-01-004US**

***This is an Assignment of the following rights, title and interest: (check all that apply):***

- ☐
- Other (specify)*
- \_\_\_\_\_

**Title of the Invention** . . . . .

CHIRAL ADDITIVES FOR CHOLESTERIC DISPLAYS

## Inventors (assignors)

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MAY 17 2002  
TC 1700

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; multiple assignees)**

Docket No.  
KD-01-004US

**Assignees**

<i>Name</i>	<i>Address</i>
KENT DISPLAYS, INC.	343 Portage Blvd. Kent OH 44240
KENT STATE UNIVERSITY	P.O. Box 5190 Kent, OH 44242

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; multiple assignees)**

Docket No.  
KD-01-004US

*Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");*

*And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignees;*

*Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;*

*We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention based upon said application(s) as identified above, said patents, domestic and foreign as identified above, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of said application(s) for patents or securing of patents in the United States and countries foreign thereto, unto said Assignees, who will hold said rights, title and interest in equal shares;*

*And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignees, as co-assignees of the whole right, title and interest thereto;*

*And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid Invention, as the Assignees or their Designee(s) may from time to time require and prepare at their own expense.*

*Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)*

<i>Name</i>	<i>Signature/Date</i>
Joseph W. Doane	
Asad A. Khan	
Alexander J. Seed	

Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; multiple assignees)

Docket No.  
KD-01-004US

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

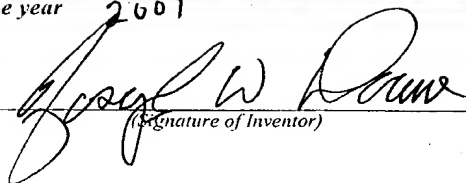
Executed this 11 day of October, in the year 2001

at

Kent Displays, Inc.

State of Ohio

County of Portage

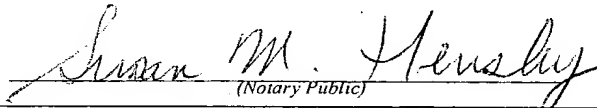
  
(Signature of Inventor)

Before me personally appeared Joseph W. Doane

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 11 day of October, in the year 2001

SUSAN M. HENSLEY

NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES AUG. 2, 2004

  
(Notary Public)

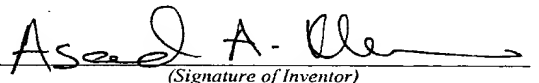
Executed this 11 day of October, in the year 2001

at

Kent Displays, Inc.

State of Ohio

County of Portage

  
(Signature of Inventor)

Before me personally appeared Asad A. Khan

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 11 day of October, in the year 2001

SUSAN M. HENSLEY

NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES AUG. 2, 2004

  
(Notary Public)

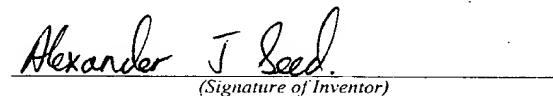
Executed this 11th day of October, in the year 2001

at

Kent,

State of Ohio

County of Portage

  
(Signature of Inventor)

Before me personally appeared Alexander J. Seed

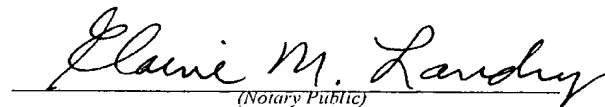
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 11th day of October, in the year 2001

ELAINE M. LANDRY, Notary Public

97 NT0262

State Wide Jurisdiction, Ohio

My Commission Expires Sept. 1, 2002

  
(Notary Public)